Patent Claims:

1 – 8 (canceled)

9. (new) A waste heat steam generator for a gas and steam power station, comprising:

a waste heat boiler that is supplied exhaust gas from a gas turbine;

an evaporator arranged in the waste heat boiler to generate operating steam for a steam turbine;

a heating device that supplies flue gas to the waste heat boiler;

a feedback line to feed back the flue gas;

a circulation circuit that has the heating device connected to it and is formed by a heating path through the waste heat boiler and the feedback line and a portion of the flue gas can be extracted at a point from the waste heat boiler and can be fed back to an inlet opening into the waste heat boiler.

10. (new) The waste heat steam generator as claimed in claim 9, wherein the waste heat steam generator has more than one evaporator.

11. (new) The waste heat steam generator as claimed in claim 10, wherein a portion of the flue gas can be extracted from the waste heat boiler upstream of the evaporators and in the direction of the flue gas.

12. (new) The waste heat steam generator as claimed in claim 9, wherein a portion of the flue gas can be extracted from the waste heat boiler in the flow direction of the flue gas and downstream from its outlet opening.

13. (new) The waste heat steam generator as claimed in claim 9, wherein the heating device has a control device for adjustment of the temperature or the flow rate of the flue gas.

14. (new) The waste heat steam generator as claimed in claim 9, wherein the heating device has a control device for adjustment of the temperature and the

flow rate of the flue gas.

15. (new) The waste heat steam generator as claimed in claim 9, wherein a portion of auxiliary steam can be extracted from an evaporator for operation of a steam consumer from the gas and steam power station.

16. (new) The waste heat steam generator as claimed in claim 9, wherein a portion of auxiliary steam can be extracted from an evaporator in order to heat up and keep hot.

17. (new) The waste heat steam generator as claimed in claim 9, wherein a portion of auxiliary steam can be extracted from an evaporator in order to heat up or keep hot.

18. (new) The waste heat steam generator as claimed in claim 9, wherein a portion of auxiliary steam can be extracted from an evaporator in order to maintain the pressure in the waste heat boiler and can be extracted from fresh steam lines from the steam turbine in the gas and steam power station.

19. (new) The waste heat steam generator as claimed in claim 9, wherein a portion of auxiliary steam can be extracted from an evaporator in order to maintain the pressure in the waste heat boiler or can be extracted from fresh steam lines from the steam turbine in the gas and steam power station.

20. (new) The waste heat steam generator as claimed in claim 16, wherein the auxiliary steam can be extracted largely independently of the operating state of the gas turbine or of the steam turbine.

21. (new) The waste heat steam generator as claimed in claim 16, wherein the auxiliary steam can be extracted largely independently of the operating state of the gas turbine and of the steam turbine.